

Figure 1

TOPICAL INDUCERS OF LANGERHANS CELL MIGRATION

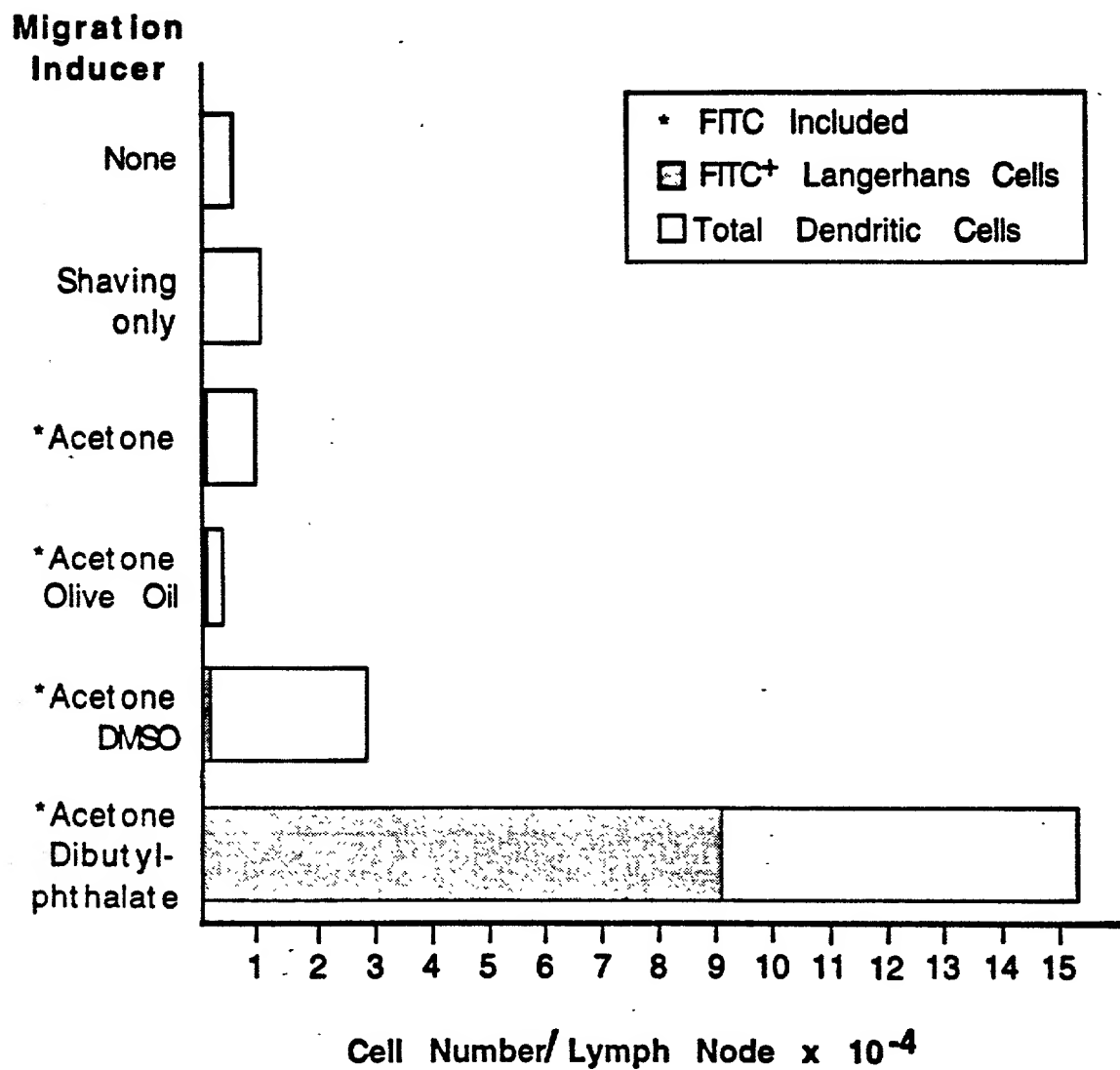


Figure 2

DENDRITIC CELLS in LYMPH NODE after SKIN PAINTING

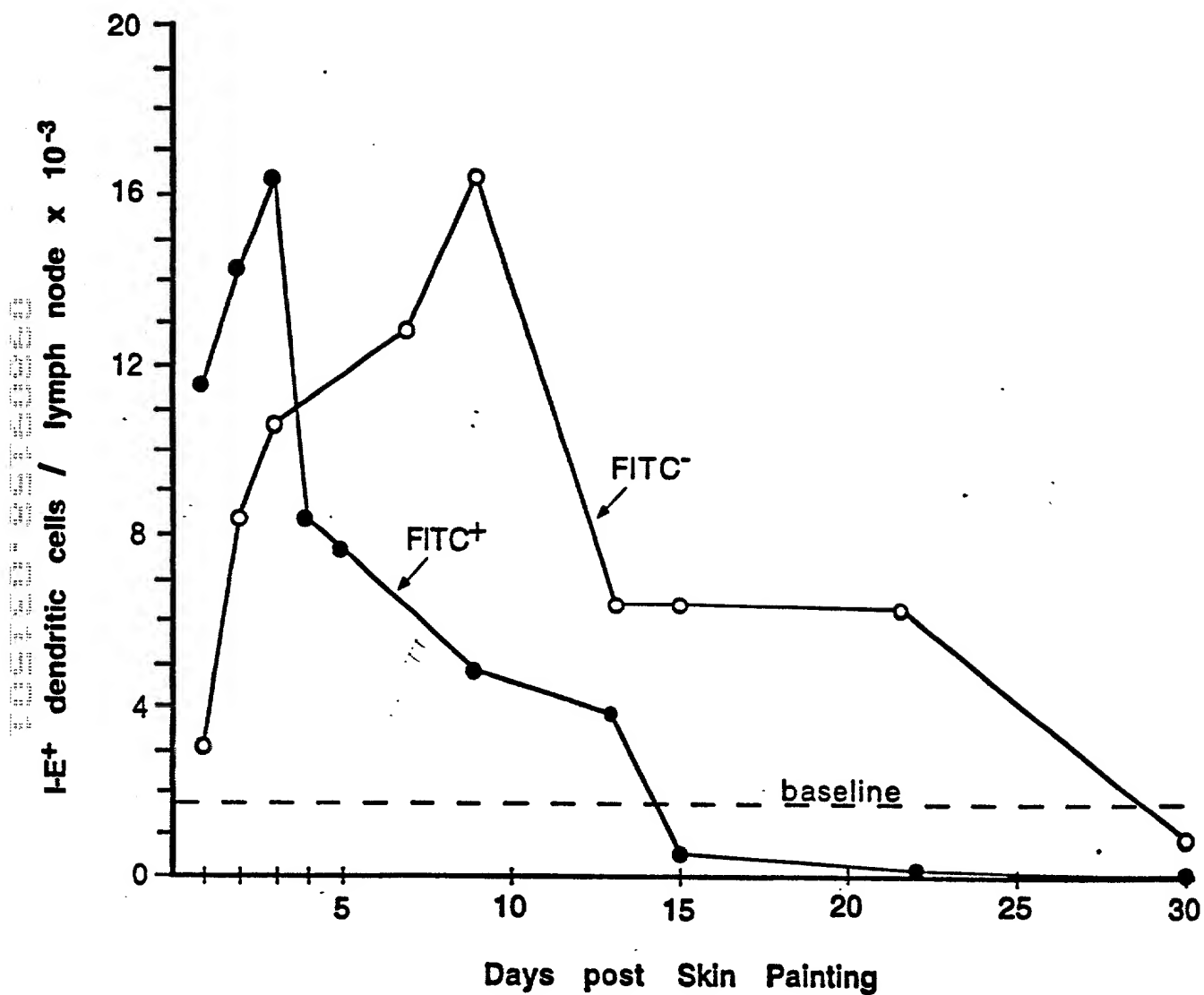
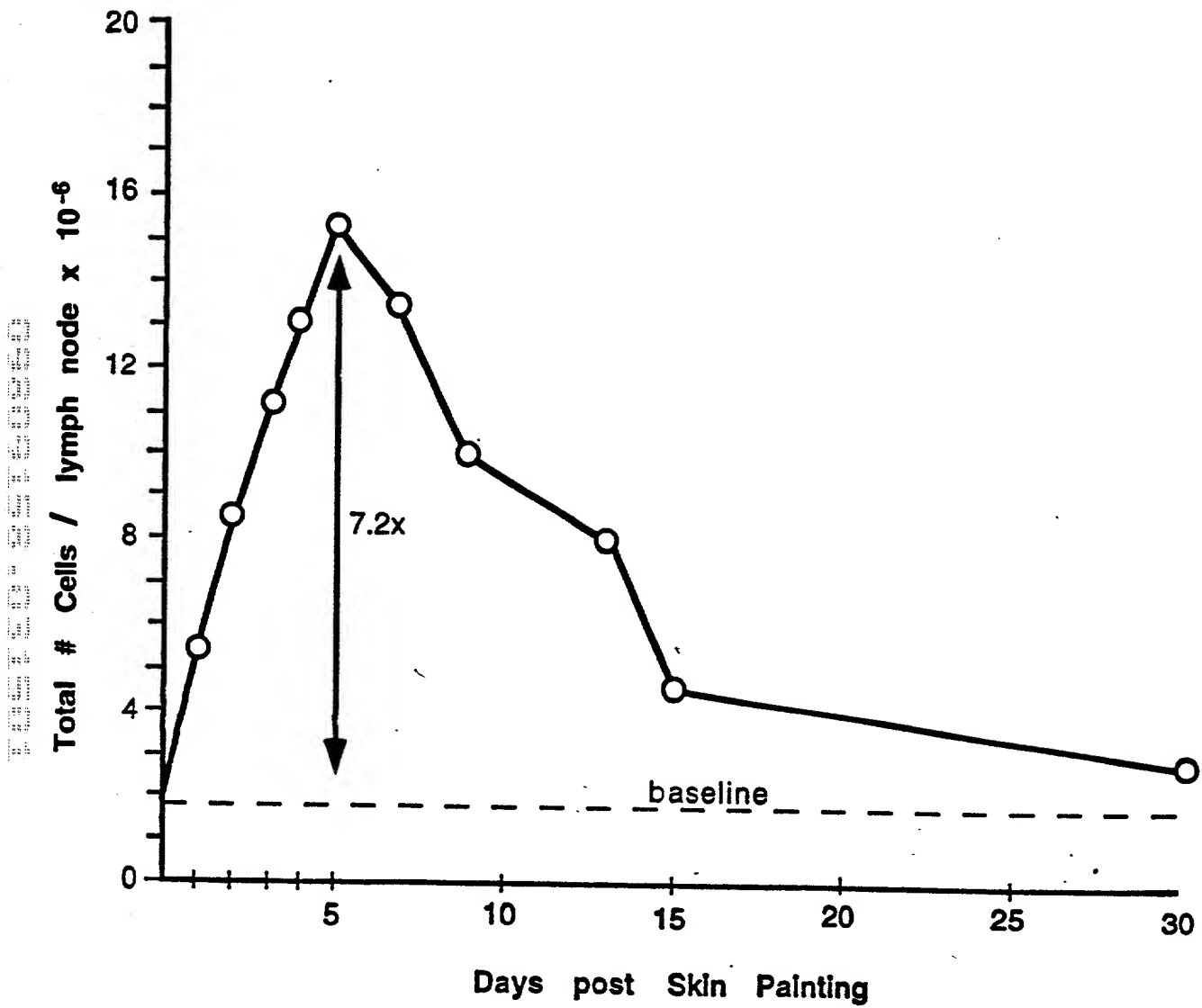


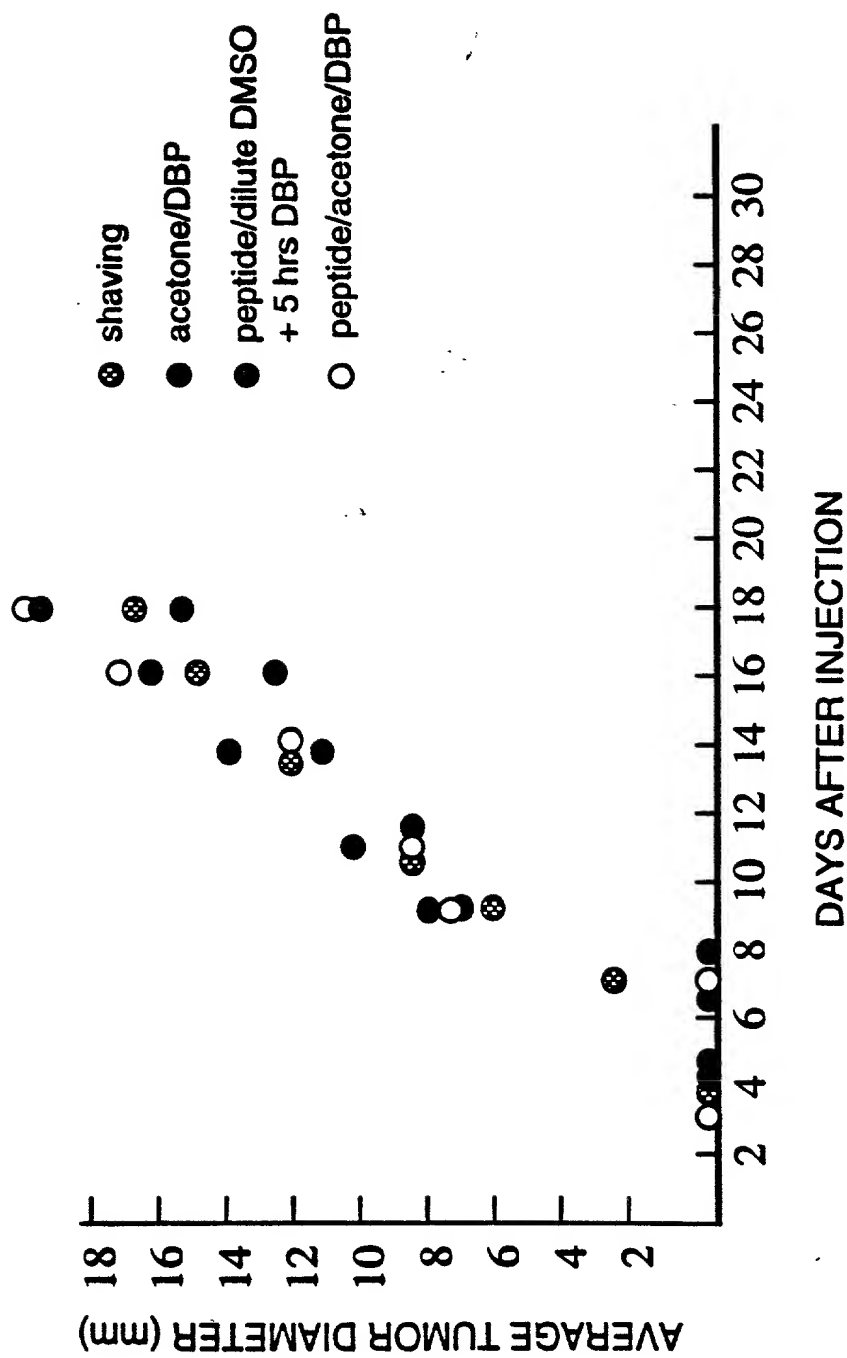
Figure 3

LYMPH NODE CELLULARITY after SKIN PAINTING



TUMOR GROWTH after SKIN PAINTING with PEPTIDE in Dilute DMSO

Figure 4



Intravaginal Application of Peptide and DBP Induces Protective Tumor Immunity

Figure 5

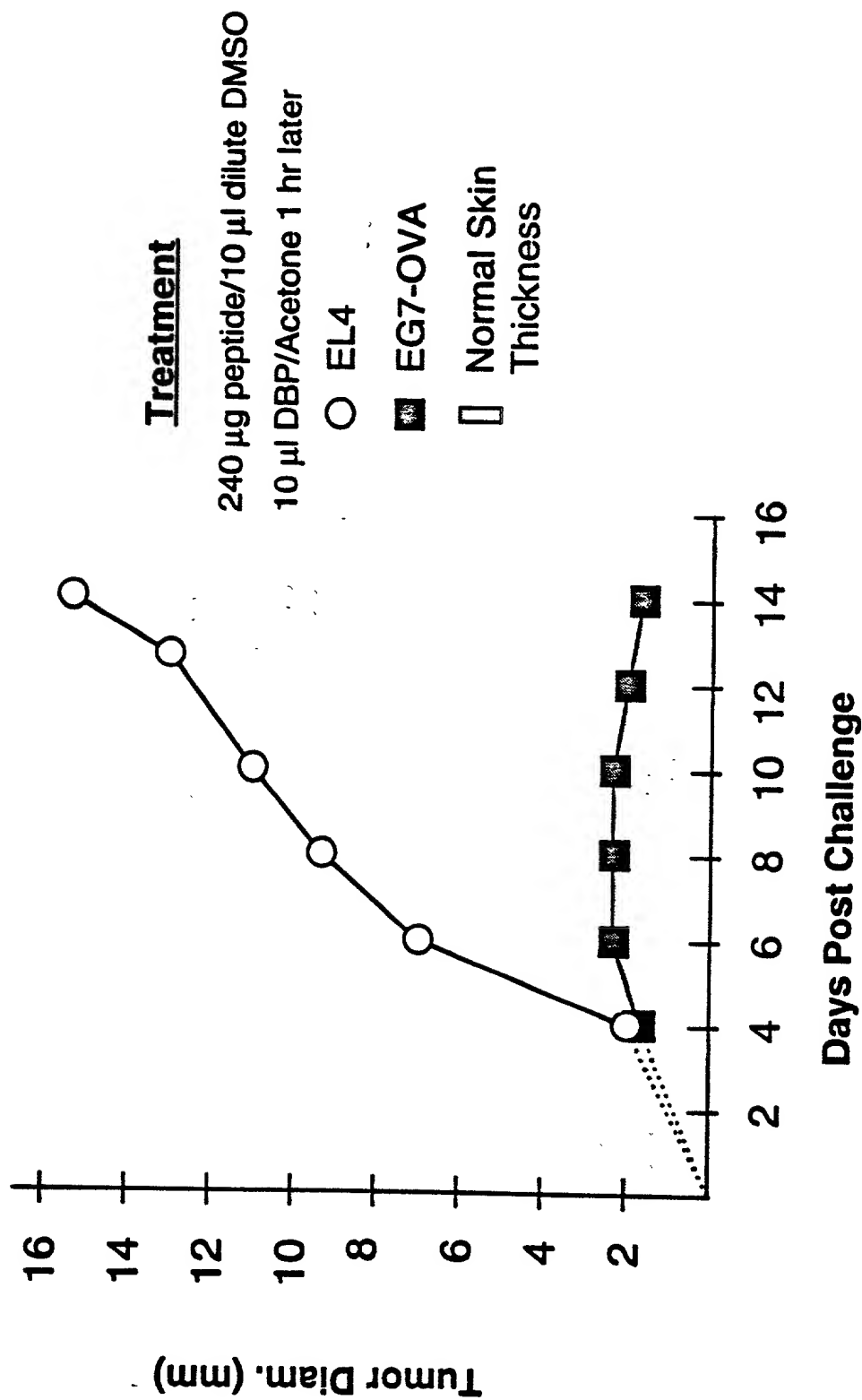


Figure 6

Tumor Specific Immunity Induced by Cutaneous Application of Tumor Peptide in concentrated DMSO followed by DBP

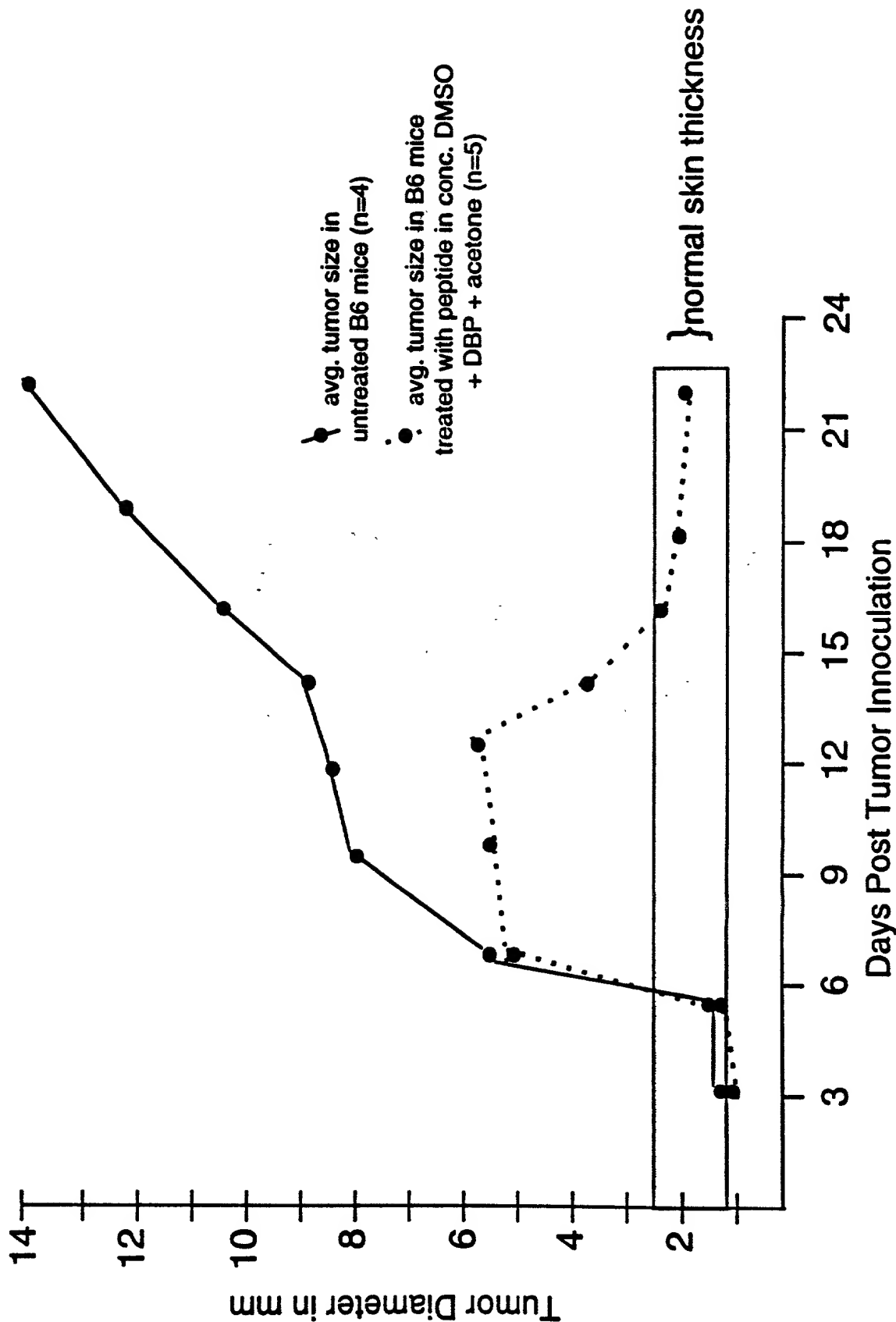
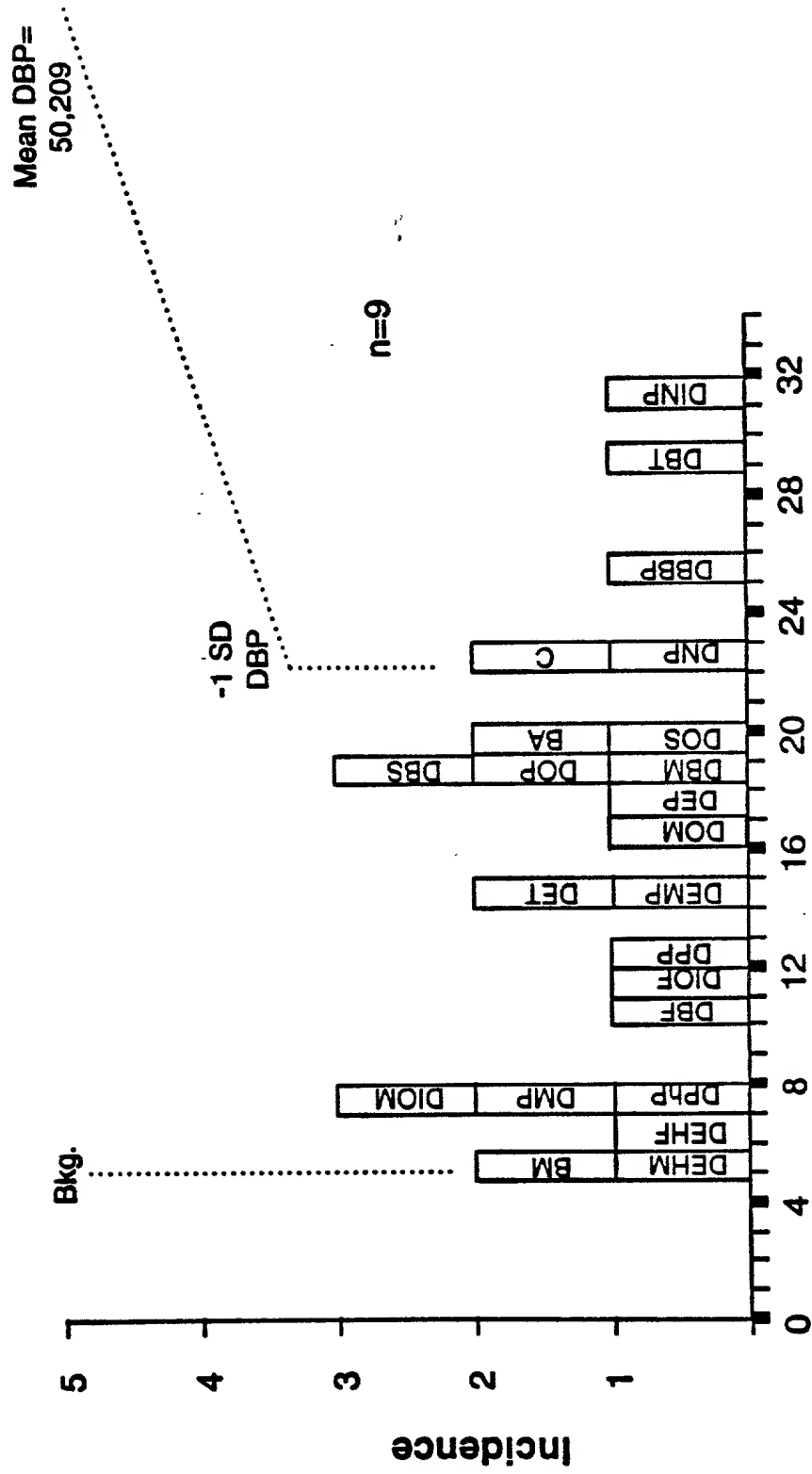


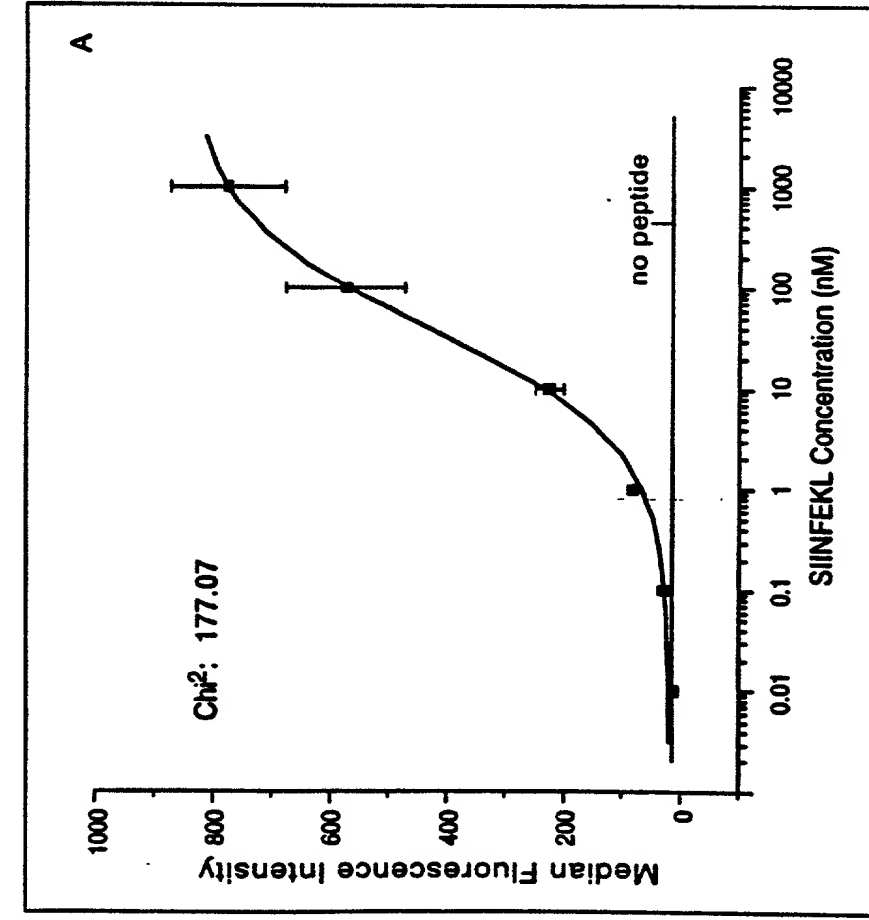
Figure 7

Lymph Node Dendritic Cells Induced by Topical Application of Dibutylphthalate Analogs

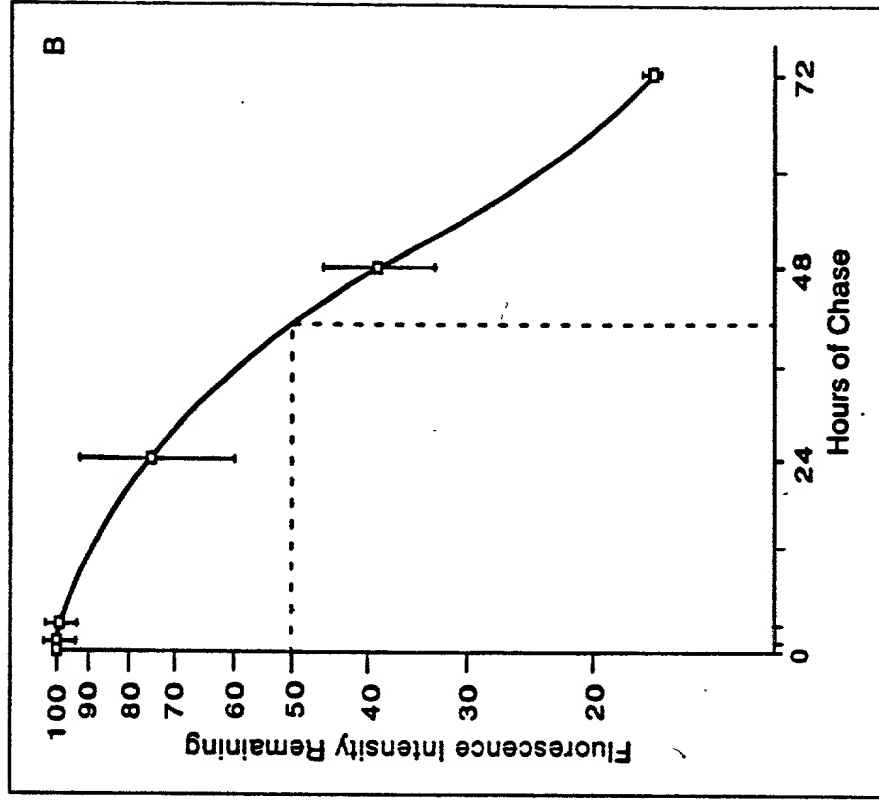


Number of Class II^{hi} Cells x 10³/Lymph Node on Day 2

Quantitative Detection of Peptide:MHC Complexes on Langerhans Cells *in vitro*

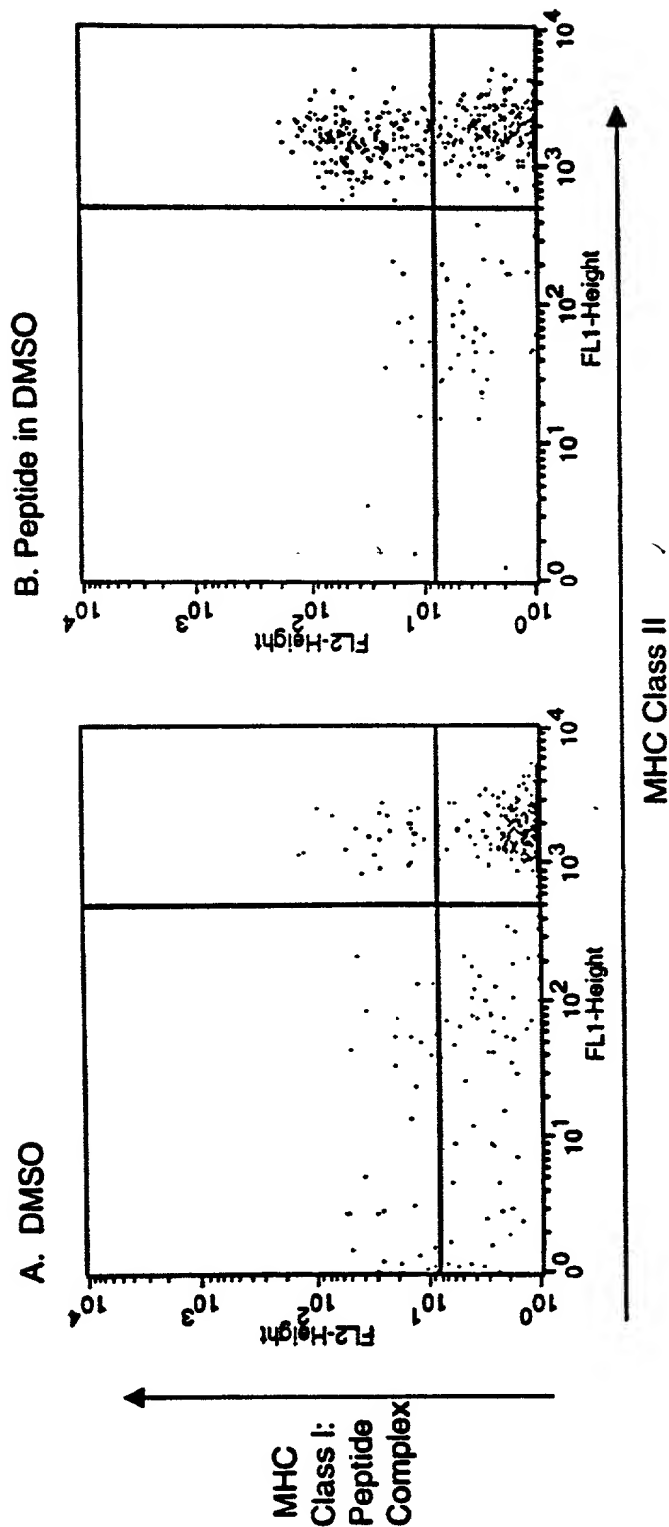


A. Immunofluorescent Detection of SIINFEKL:K^b Complexes on Langerhans Cells *in vitro*

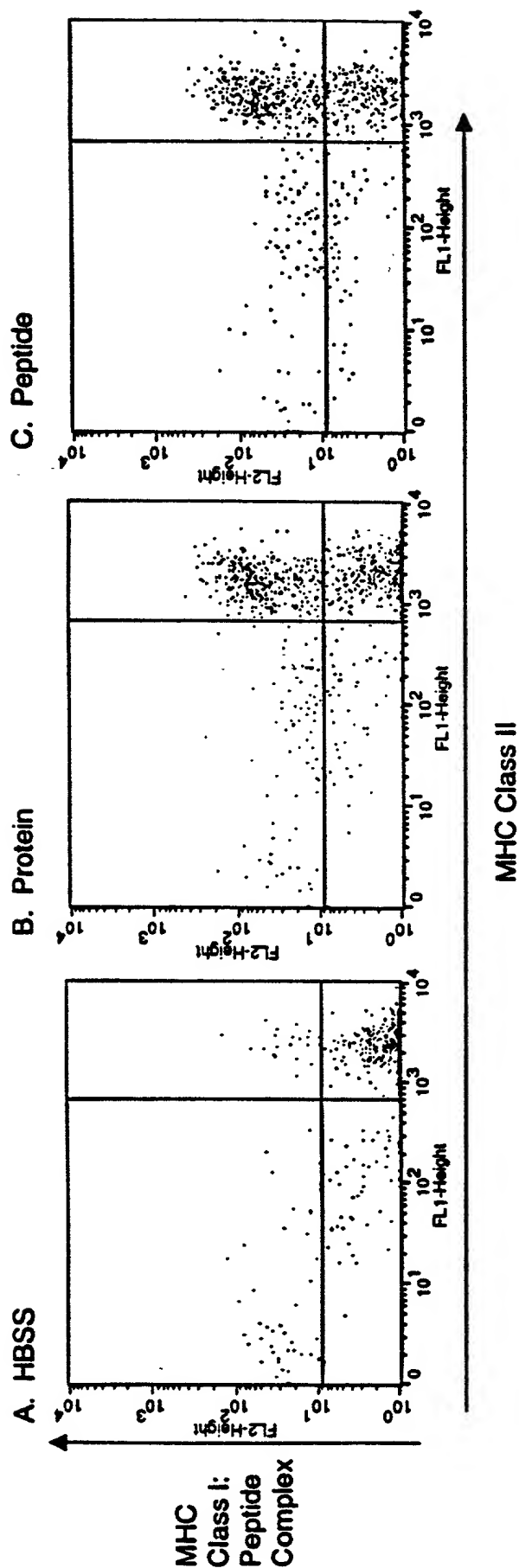


B. Half Life of SIINFEKL:K^b Complexes on Langerhans Cells *in vitro*

Antigen-bearing Dendritic Cells in Lymph Nodes after Ultrasound Application of Soluble Peptide followed by Migration Inducer



Antigen-bearing Dendritic Cells in Lymph Nodes after Injection of Soluble Protein or Peptide followed by Migration Inducer



Antigen-bearing Dendritic Cells in Lymph Nodes after Injection of Soluble Peptide with or without subsequent Migration Inducer

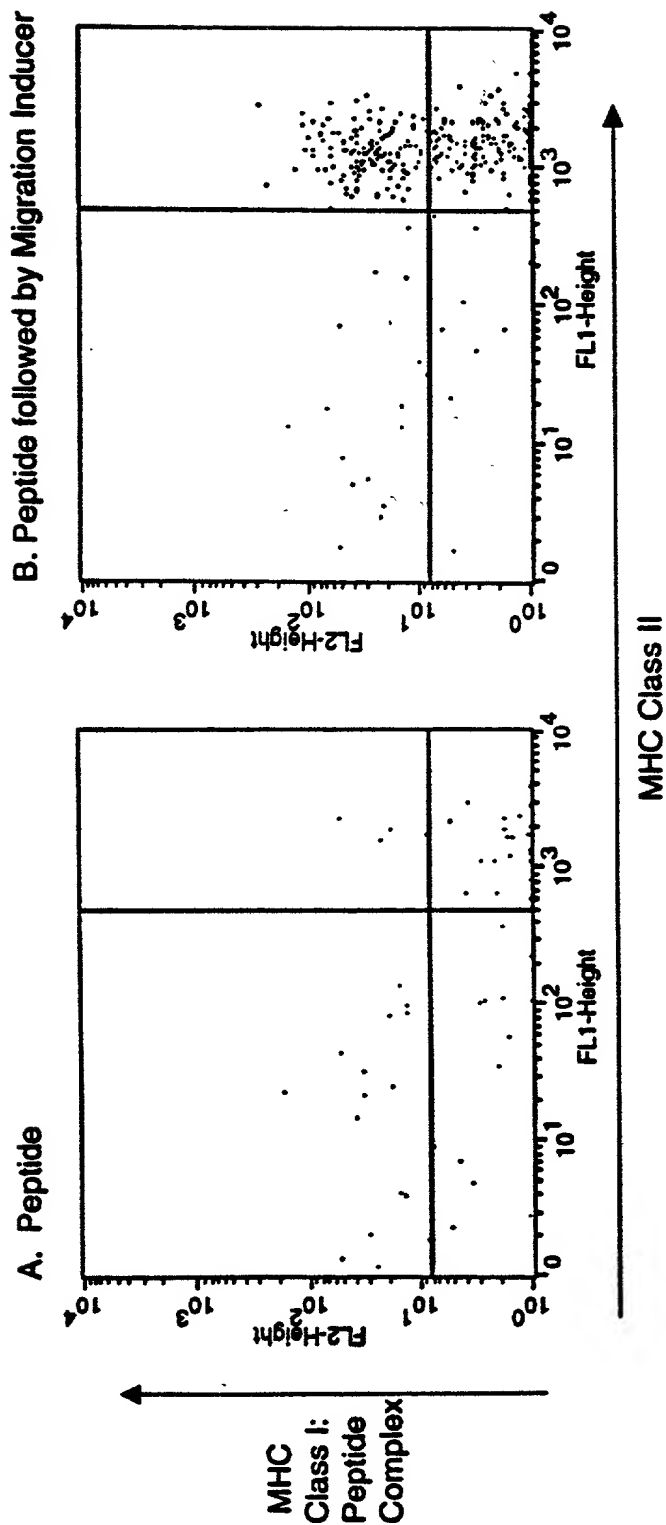


Fig. 12

Tumor-specific Immunity induced by a Single Injection of a Tumor Protein followed by a Topical Migration Inducer

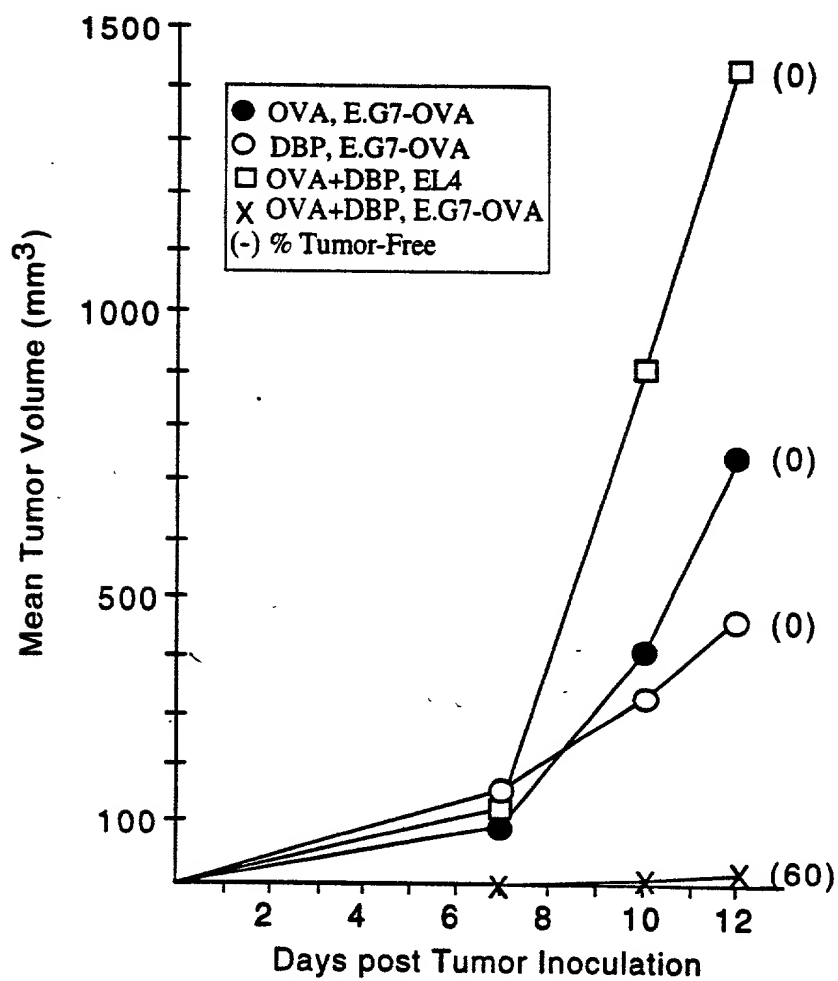


Fig. 13

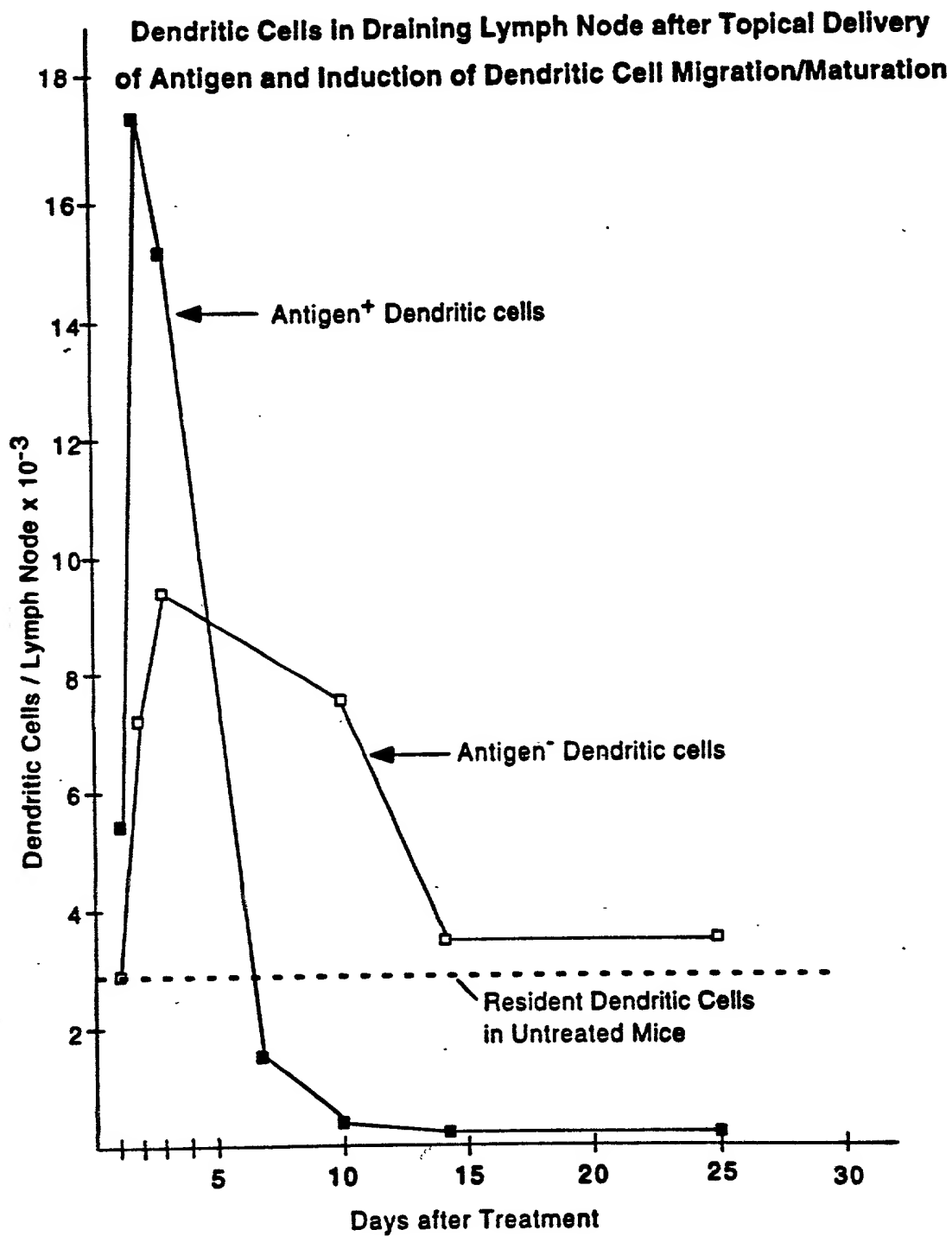
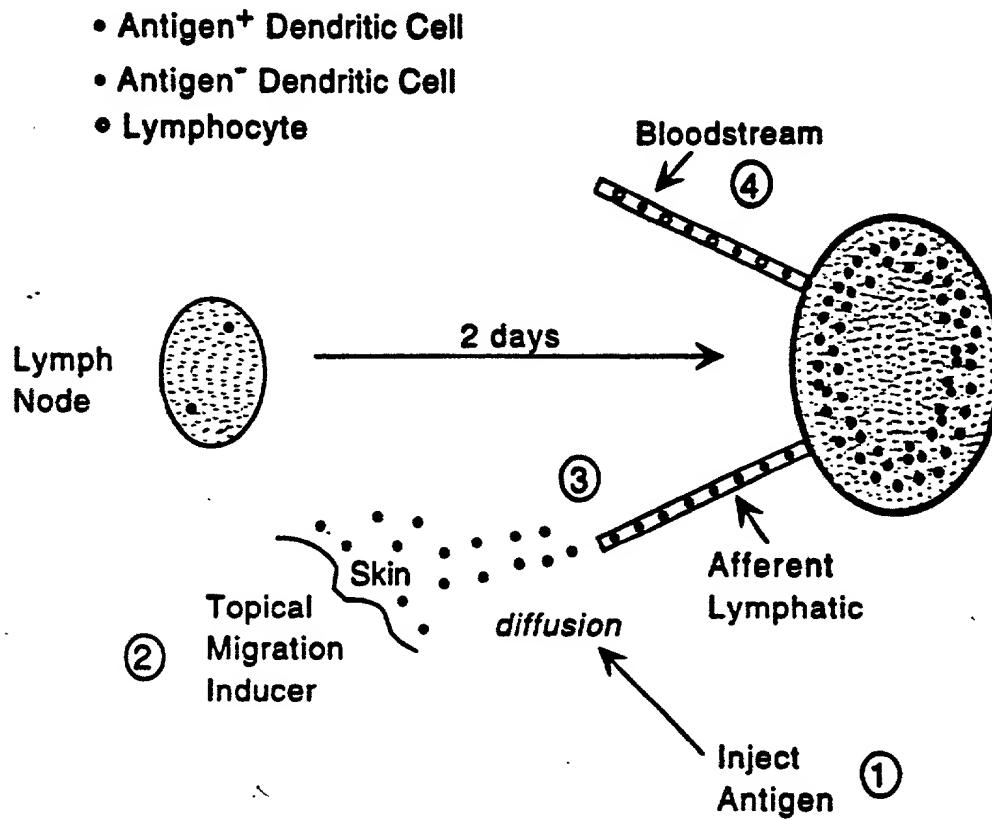


Fig. 14

Adjuvant Effects of Inducing Dendritic Cell Migration/Maturation



| <u>Antigen⁺ Dendritic Cells</u> | <u>Antigen⁻ Dendritic Cells</u> |
|---|--|
| 504 → 22,239 | 2,520 → 33,673 |
| <u>Lymphocytes</u> | |
| 6 x 10 ⁶ → 8.6 x 10 ⁶ | |